



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

Model: PCM-LB21S40A-AY327 (LI-21S40A)

ver: A

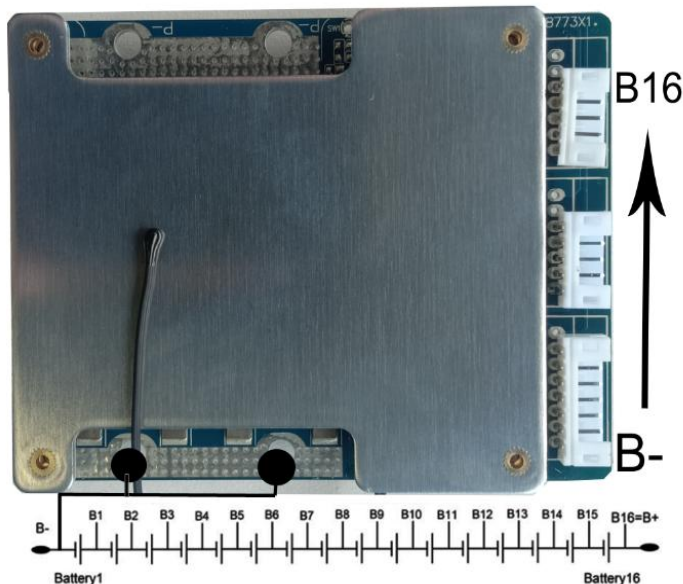
Test item (Test at normal temperature 25±2℃)		Criterion
Voltage	Charging voltage	DC: 88.2V CC/ CV (4.2v/Cell) 21s
Capacity	Designing battery capacity (PCM)	/mAh
Supply Current	Normal operating mode current: Fuel gauge in NORMAL mode. ILOAD > Sleep Current	≤50uA
	Maximal continuous charging current	40A
	Maximal continuous discharging current	40A
	Balance current for single cell	42±10mA
Over-charge Protection (single cell)	Balance voltage for single cell	4.2V±0.05V
	Over charge detection voltage	4.25±0.05V
	Over charge detection delay time	0.5S—2S
	Over charge release voltage	4.15±0.1V
Over discharge protection (single cell)	Over discharge detection voltage	2.8±0.05V
	Over discharge detection delay time	0.5S—2S
	Over discharge release voltage	3.00±0.1V
Current protection (Battery pack)	Detection delay time	0.5~2.0S
	Discharge Over current detection current	120±30A
	Detection delay time	5ms—150ms
	Release condition	Cut load, Auto Recovery
Short protection	Detection condition	Exterior short circuit
	Detection delay time	450~800uS
	Release condition	Cut load
Resistance	Main loop electrify resistance	≤20mΩ
Temperature	Operating Temperature Range	-40~+70℃
	Storage Temperature Range	0~60℃
	Charging high temperature protection	50±5℃
	Discharge high temperature protection	70±5℃

SIZE: L80*W60*T16 mm

NTC: 10K NTC cut off Temperature switch: / (the batteries temperature)

Weak current switch: /

Activation Method:/



Prepared: Cassie 2021-03-17

Checked:

Approved:

Form number: AY-ENBG-007A0